

**CLAIMS**

1. (Currently Amended) A method of determining an Internet Protocol (IP) address of an application server of a visited serving network, comprising:
  - receiving an IP address by a user equipment (UE);
  - performing a reverse domain name query by the UE as a function of the received IP address;
  - receiving, by the UE, a response from the visited serving network to the reverse domain name query;
  - deriving, by the UE, serving network domain name information from the reverse domain name query;
  - appending, by the UE, the derived serving network domain name information to an application server name, thereby generating a domain-specific application server name;
  - performing, by the UE, a domain name query as a function of the ~~derived serving network domain name appended to the~~ domain-specific application server name; and
  - receiving, by the UE, a second IP address as a function of the ~~derived serving network domain name appended to the~~ domain-specific application server name.
2. (Previously Presented) The method of Claim 1, wherein receiving an IP address comprises receiving an IP address for the UE.
3. (Previously Presented) The method of Claim 1, wherein receiving an IP address comprises receiving an IP address associated with a device providing an IP address to the serving network.
4. (Previously Presented) The method of Claim 3, wherein receiving an IP address associated with a device providing an IP address to the serving network comprises receiving an IP address of an access gateway.
5. (Original) The method of Claim 1, wherein the step of deriving the serving network domain name information from the reverse domain name query further comprises deriving information from a Uniform Resource Identifier (URI).

6. (Previously Presented) The method of Claim 1, wherein the application server name comprises a Proxy Call Session Control Function (P-CSCF) server name.

7-14. (Canceled)

15. (Previously Presented) A system for determining an Internet Protocol (IP) address of an application server of a visited serving network, comprising:

a user equipment (UE) in communication with an access gateway of the serving network, wherein the UE is configured to:

request an IP address for the UE from the serving network;

receive the requested IP address associated with the UE;

perform a reverse domain name query as a function of the received IP address;

receive a response to the reverse domain name query;

derive domain name information from the reverse domain name query;

append the derived domain name information to a standardized application server name, thereby generating a domain-specific application server name;

perform a domain name query as a function of the domain-specific application server name; and

receive an IP address as a function of the domain-specific application server name.

16. (Original) The system of Claim 15, wherein the serving network has a URI.

17. (Previously Presented) The system of Claim 15, wherein the UE is configured to perform a reverse domain name query for the UE.

18. (Previously Presented) The system of Claim 15, wherein the UE is configured to perform a reverse domain name query for a device providing an IP address to the serving network.

19. (Previously Presented) The system of Claim 18, wherein the device providing an IP address to the serving network comprises the access gateway.

20. (Previously Presented) A system for determining an Internet Protocol (IP) address of an application server of a visited serving network, comprising:

a user equipment (UE) in communication with an access gateway of the serving network, wherein the UE is configured to:

- request an IP address for the UE from the serving network;
- receive the requested IP address associated with the UE;
- perform a reverse domain name query as a function of the received IP address;
- receive a response to the reverse domain name query;
- derive domain name information from the reverse domain name query;
- append the derived domain name information to a standardized application server name, thereby generating a domain-specific application server name;
- perform a domain name query as a function of the domain-specific application server name; and
- receive a second IP address as a function of the domain-specific application server name; and
- logic to extract a domain name from the reverse domain name query.